## EPA is in the LEED: Region 8's Team Approach Results in Greener Design and Construction

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The EPA Region 8 offices will be housed in a new, state-of-the-art, high-performance building, with 250,000 square feet of space, in lower downtown Denver, Colorado.

Partnerships facilitated improvements in building design, incorporating advanced sustainable features. Efforts advocated for design features which will capture the certification of gold LEED rating.

Using a team-approach, the R8 building project "pushes the envelope" in sustainability, and will also enhance comfort and health, which will contribute to increased worker productivity.

## Partnering for Energy Management Green Roof Renewable Energy creation, stormwater retention, reduced 'urban heat island' effect, sound insulation, extended roof life, CO<sub>2</sub> absorption and reduced heating / cooling costs EPA partnered with National Renewable Energy Laboratory (NREL), General Services Administration (GSA) and developer Designed as one of the most energy efficient office buildings in Denver Under floor air delivery, natural lighting, premium efficiency motors, district steam, sophisticated automated control system to minimize energy use Partners will create a 'green roof laboratory' to evaluate selected plant varieties for our semi-arid egion and monitor stormwat quality and quantity Region 8's 20,000 sa ft extensive green roof on three terrace levels has anup of Soil Contaminants Fransportation Choice Lower Downtown Denver Historic Building is located adjacent to regional transportation hubs: bus, light rail, and bicycle District once dominated by industrial land uses Reuse of idle infill sites a federal priority US DOE N Soil contaminants found on site Building Development Team participated in Bicyclists can use State's Voluntary regional light rail and local and regional buses in Brownfield Cleanup Program, which offered financial relie Partnerships Enable Results Leadership in Energy and Environmental Design Sustainable Design and Environmentally **◎** LEED Sustainable Sites (14 points) Water Efficiency (5 points) Energy & Atmosphere (17 points) Materials & Resources (13 points) Indoor Environmental Quality (15 points) Innovation & Design Process (5 points) The LEED certification levels are: Certified: 26-32 points Silver: 33-38 points

Platinum: 52-69 points

